

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-83  
Relating to Certification of New Motor Vehicles

DAIMLER-BENZ AG

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Daimler-Benz AG exhaust emission control systems are certified as described below for diesel-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JMB2.5D6JA18	2.5 (152)	Exhaust Gas Recirculation (Diesel Injection - Prechamber)

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>	<u>Particulates Grams per Mile</u>
0.46	8.3	1.0	0.2

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>	<u>Particulates Grams per Mile</u>
0.07	0.8	0.9	0.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 9th day of October, 1987.

*Bob Cross for*

K. D. Drachand, Chief  
Mobile Source Division

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Manufacturer Mercedes-Benz Engine Family JMB2.5D6JA18  
 Vaporative Family DNA Engine Type In-line/5cyl.  
 Liters (CID) 2.5 (152)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 ECU-Electronic Control Unit  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance  
 Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 DBC-Dual Bed Catalyst  
 EGR-Exhaust Gas Recirculation  
 EIC-Electronic Injection Control  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 OS-Oxygen Sensor  
 HOS-Heated Oxygen Sensor  
 SPL-Smoke Puff Limiter or  
 Throttle Delay  
 TOC-Trip Oxidizer, Continual  
 TOP-Trip Oxidizer, Periodical  
 TWC-Three-Way Catalyst  
 WUOC-Warm-Up Oxidation Catalyst  
 WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV-Combustion  
 Chamber Valve  
 CFI-Central Fuel  
 Injection or  
 Throttle Body  
 Injection  
 DID-Diesel  
 Injection-  
 Direct  
 DIP-Diesel  
 Injection-  
 Prechamber  
 EFI-Electronic  
 Fuel  
 Injection  
 IC-Intercooler  
 or Aftercooler  
 MFI-Mechanical  
 Fuel  
 Injection  
 OBD-On-Board  
 Diagnostics  
 TC-Turbocharger

VEHICLE MODELS: 190D2.5

Engine: Front x Mid.        Rear         
 Drive: FWD        RWD x 4WD Full Time        4WD Part Time

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Pasenger Cars ☒ Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas \_\_\_\_\_ Diesel ☒  
Manufacturer Mercedes-Benz Engine Family JMB2.5D6JA18  
Liter (CID) 2.5(152) Eng. Type In-line/5cyl.  
Emission Control Sys. (Special Features) EGR (DIP)

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
OM602-3	190D2.5 (7.9)	A-4	3250	DNA	FI-Pump: PES5M55C320 RS162 Governor: RSF340/2300 M60-5	6171400160	DNA

Comments: See page one for abbreviations and evaporative emission family identification.  
Please refer to manufacturer's HP list for correct dyno test HP settings based on model and  
equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue \_\_\_\_\_ Revisions: \_\_\_\_\_